

AMENDMENTS TO THE CLAIMS

Claim1-33 (Cancelled).

34. (Currently Amended): A networked health-monitoring system, comprising:
- (a) a plurality of remote patient sites, each site including
 - (i) at least one display;
 - (ii) a data management unit configured to facilitate collection of patient health-related data;
 - (iii) a memory; and
 - (iv) stored program instructions for use in generating health-monitoring related information on the display;
 - (b) at least one remotely located computing facility including at least one central server connectable for communication with the data management units at the patient sites, the central server configured to receive and store the patient health-related data from the data management unit at the remote patient sites; and
 - (c) at least one health care professional computer remotely located from and configured for signal communication with the central server, ~~to receive at least one report based on the patient health-related data collected at the remote patient sites, wherein hardware and software of the central server automatically communicates with the data management units and the at least one health care professional computer~~
wherein the central server can generate a report based on the patient health-related data collected at the remote patient site and the report can be viewed at the at least one healthcare professional computer and wherein at least one message can be sent from the healthcare professional computer to the remote patient sites through the central server.
35. (Previously Presented): The system of claim 121, further comprising at least one health-monitoring device configured

- (a) to monitor at least one patient health condition at least one remote patient site; and
- (b) to communicate data related to the monitored condition to the central server.

36. (Previously Presented): The system of claim 35, wherein the data management unit facilitates collection of health-related data by receiving data related to the monitored condition from at least one of the health-monitoring devices.

37. (Previously Presented): The system of claim 36, wherein at least one health-monitoring device includes one or more of the set consisting of

- (a) a blood glucose monitor;
- (b) a peak flow meter;
- (c) a blood pressure monitor;
- (d) pulse monitor; and
- (e) a body temperature monitor.

38. (Previously Presented): The system of claim 66, wherein the data management unit is configured to facilitate collection of health-related data through a patient at the remote patient site using buttons, keys or switches.

39. (Previously Presented): The system of claim 35, wherein the data management unit is physically separate from the display.

40. (Previously Presented): The system of claim 35, wherein the display forms a part of at least one of the health-monitoring devices.

41. (Previously Presented): The system of claim 121, wherein the display is in a handheld device.

42. (Previously Presented): The system of claim 41, wherein the handheld device is

capable of displaying pictorial health-monitoring related information.

43. (Previously Presented): The system of claim 40, wherein the memory is a program cartridge.

44. (Previously Presented): The system of claim 41, wherein the handheld device is capable of displaying animated health-monitoring related information.

45. (Previously Presented): The system of claim 121, wherein at least one of the remote sites further includes at least one personal computer and wherein the data management unit at that site is connectable to the computer.

46. (Previously Presented): The system of claim 121, wherein the information received by the healthcare professional can be used to generate at least one report that is standardized.

47. (Previously Presented): The system of claim 76, wherein the system is configured to allow a health care professional to select which of a plurality of standardized reports is received.

48. (Previously Presented): The system of claim 76, wherein the report includes at least one of graphs and icons.

49. (Previously Presented): The system of claim 76, wherein the report can be generated periodically.

50. (Previously Presented): The system of claim 48, wherein the server can generate the report.

51. (Previously Presented): The system of claim 76, wherein the system is configured to

cause the presentation of at least one report on the display at a remote patient site.

52. (Previously Presented): The system of claim 76, wherein the report includes displayed formatted statistical information.

53. (Previously Presented): The system of claim 52, wherein the statistical information can be displayed on a display at a remote patient site.

54. (Previously Presented): The system of claim 76, wherein the report includes information data for a period of time.

55. (Previously Presented): The system of claim 121, wherein the system is configured to transmit a message for display on at least one remote patient site display.

56. (Previously Presented): The system of claim 71, wherein the message includes step-by-step instructions.

57. (Previously Presented): The system of claim 71, wherein the message includes results of a test.

58. (Previously Presented): The system of claim 71, wherein the message includes a diagnostic indication related to whether a test has proceeded in a normal fashion.

59. (Previously Presented): The system of claim 71, wherein the message is a multi-line message.

60. (Previously Presented): The system of claim 71, wherein the message is educational or motivational.

61. (Previously Presented): The system of claim 71, wherein the message is from the health care professional computer.
62. (Previously Presented): The system of claim 61, wherein the system is configured to cause the message to be transmitted to a specific patient at a patient site.
63. (Previously Presented): The system of claim 62, wherein the system is configured to cause the message to be transmitted automatically to the patient.
64. (Previously Presented): The system of claim 62, wherein the system enables the patient to choose when to receive the message.
65. (Previously Presented): The system of claim 62, wherein the message is stored before being transmitted to the patient.
66. (Previously Presented): The system of claim 71, wherein the system is configured to allow a patient at a patient site to control the display of health-monitoring related information using at least one menu.
67. (Previously Presented): The system of claim 66, wherein the menu allows the patient to select anyone of the operational modes from the set consisting of:
- (a) a display mode for displaying relevant information;
 - (b) an input mode for providing information; and
 - (c) a communications mode for establishing a link with the central server.
68. (Previously Presented): The system of claim 66, wherein the menu allows a patient to select a monitoring mode in which at least one of the health-monitoring devices is used.
69. (Previously Presented): The system of claim 66, wherein the menu allows a patient to

display at least one message or instruction from a health care professional.

70. (Previously Presented): The system of claim 69, wherein the system is configured to enable the patient to respond to information on the display by using a cursor or other indicator positioned at a selected item.

71. (Currently Amended): A networked health-monitoring system comprising:

- (a) a plurality of remote patient sites, each site including
 - (i) at least one display;
 - (ii) a data management unit configured to facilitate collection of patient health-related data;
 - (iii) a memory; and
 - (iv) stored program instructions for use in generating health-monitoring related information on the display;
- (b) at east one remotely located computing facility including at least one central server connectable for communication with the data management units at the patient sites; and
- (c) at least one health care professional computer configured for signal communication with the central server to receive information based on the patient health-related data collected at the remote patient sites.

wherein hardware and software of the central server can communicate with the data management units to enable ~~programs~~ program instructions to be provided from the server for ~~storage in a memory and execution~~ reconfiguring programs stored at a remote patient site; and

wherein the system is configured to transmit a message for display on at least one remote patient site display.

72. (Previously Presented): The system of claim, 121, wherein the collected patient health-related data includes indications of user-experienced symptoms.

73. (Previously Presented): The system of claim, 121, wherein the collected patient health-related data includes quantitative measurements.
74. (Previously Presented): The system of claim 73, wherein the collected patient health-related data includes medication data.
75. (Previously Presented): The system of claim 73, wherein the collected patient \ health-related data includes time data.
76. (Currently Amended): A networked health-monitoring system comprising:
- (a) a plurality of remote patient sites, each site including
 - (i) at least one display;
 - (ii) a plurality of buttons keys or switches
 - (iii) a data management unit configured to facilitate collection of patient health-related data;
 - (iv) a memory; and
 - (v) stored program instructions for use in generating health-monitoring related information on the display; and
 - (b) at least one remotely located computing facility including at least one central server connectable for communication with the data management units at the patient sites, wherein the central server can generate at least one report; and at least one health care professional computer configured for signal communication with the central server to receive at least one report based on the patient health-related data collected at the remote patient sites, wherein the at least one report is standardized; and
- wherein hardware and software of the central server communicates the report to the healthcare professional computer after an authorization code is transmitted to the server to identify an associated healthcare professional as an authorized user, and
- wherein reconfiguring program instructions stored in a cartridge are used for reconfiguring the stored program instructions.

77. (Currently Amended): A method of collecting and processing patient health-related data, comprising:

- (a) at a plurality of remote patient sites,
 - (i) using stored program instructions to generate health-monitoring related information on at least one display;
 - (ii) facilitating collection of patient health-related data using a data management unit; and
 - (iii) collecting patient-health related data;
- (b) connecting at least one remotely located computing facility including at least one central server for communication with the data management unit at the patient sites; and
- (c) providing at least one report to at least one health care professional computer, remotely located from and in signal communication with the central server, the report being based on the patient health-related data collected at the remote patient sites,
and wherein hardware and software of the central server allows at least one message sent from the health care professional computer to be sent to the remote patient site
~~automatically communicates with the data management units and the at least one health care professional computer.~~

78. (Previously Presented): The method of claim 122, further comprising using at least one health-monitoring device to

- (i) monitor at least one patient health condition at least one remote patient site; and
- (ii) communicate data related to the monitored condition to the central server.

79. (Previously Presented): The method of claim 78, wherein the data management unit facilitates collection of health-related data by receiving data related to the monitored condition from at least one of the health-monitoring devices.

80. (Previously Presented): The method of claim 79, wherein at least one health-

monitoring device includes one or more of the set consisting of

- (a) a blood glucose monitor;
- (b) a peak flow meter;
- (c) a blood pressure monitor;
- (d) a pulse monitor; and
- (e) a body temperature monitor.

81. (Previously Presented): The method of claim 109, wherein the data management unit facilitates collection of health-related data entered by a patient at the remote patient site using buttons, keys or switches.

82. (Previously Presented): The method of claim 78, wherein the data management unit is physically separate from the display.

83. (Previously Presented): The method of claim 78, wherein the display form a part of at least one of the health-monitoring devices.

84. (Previously Presented): The method of claim 122, wherein the display is in a handheld device.

85. (Previously Presented): The method of claim 84, wherein the memory is a program cartridge.

86. (Previously Presented): The method of claim 83, further comprising displaying pictorial health-monitoring related information on the handheld device.

87. (Previously Presented): The method of claim 44, further comprising displaying animated health-monitoring related information on the handheld device.

88. (Previously Presented): The method of claim 122, further comprising connecting at least one personal computer to the data management unit at least one remote site.
89. (Previously Presented): The method of claim 77, wherein the information received by the healthcare professional can be used to generate at least one report that is standardized.
90. (Previously Presented): The method of claim 119, wherein a health care professional selects which of a plurality of standardized reports is received.
91. (Previously Presented): The method of claim 119, wherein the report includes at least one of graphs and icons.
92. (Previously Presented): The method of claim 119, wherein the report is generated periodically.
93. (Previously Presented): The method of claim 89, wherein the server generates the report.
94. (Previously Presented): The method of claim 119, further comprising presenting at least one report on a display at a remote patient site.
95. (Previously Presented): The method of claim 119, wherein the report includes statistical information.
96. (Previously Presented): The method of claim 119, further comprising displaying the statistical information on a display at a remote patient site.
97. (Previously Presented): The method of claim 119, wherein the report includes information data for a period of time.

98. (Previously Presented): The method of claim 122, further comprising transmitting at least one message to and displaying it on at least one remote patient site display.
99. (Previously Presented): The method of claim 114, wherein the message includes step-by-step instructions.
100. (Previously Presented): The method of claim 114, wherein the message includes results of a test.
101. (Previously Presented): The method of claim 100, wherein the message includes diagnostic an indication related to whether a test has proceeded in a normal fashion.
102. (Previously Presented): The system of claim, 114, wherein the message is a multi-line message.
103. (Previously Presented): The method of claim 114, wherein the message is educational or motivational.
104. (Previously Presented): The method of claim 114, wherein the message is from the health care professional computer.
105. (Previously Presented): The method of claim 114, wherein the message is transmitted to a specific patient site.
106. (Previously Presented): The method of claim 105, wherein the message is transmitted automatically to the patient.
107. (Previously Presented): The method of claim 105, wherein the patient chooses when

to receive the message.

108. (Previously Presented): The method of claim 105, wherein the message is stored before being transmitted to the patient.

109. (Previously Presented): The method of claim 114, wherein a patient at a patient site controls the display of health-monitoring related information using at least one menu.

110. (Previously Presented): The method of claim 109, wherein the menu allows a patient to select anyone of the operational modes from the set consisting of:

- (a) a display mode for displaying relevant information;
- (b) an input mode for providing information; and
- (c) a communications mode for establishing a link with the central server.

111. (Previously Presented): The method of claim 109, wherein the menu allows a patient to select a monitoring mode in which at least one of the health-monitoring devices is used.

112. (Previously Presented): The method of claim 109, wherein the menu allows a patient to display at least one message or instructions from a health care professional.

113. (Previously Presented): The method of claim 112, wherein the patient responds to information on the display by using a cursor or other indicator positioned at a selected item.

114. (Previously Presented): A method of collecting and processing patient health-related data comprising:

- (a) at a plurality of remote patient sites,
 - (i) using stored program instructions to generate health-monitoring related information on at least one display;
 - (ii) facilitating collection of patient health-related data using a data

management unit; and

(iii) collecting patient-health related data

(b) connecting at least one remotely located computing facility including at least one central server for communication with the data management unit at the patient sites;

(c) providing information based on the patient health-related data collected at the remote patient sites to at least one health care professional computer, remotely located from and in signal communication with the central server;

(d) providing programs from the server to a remote patient site; and

(e) storing in a memory and executing the programs at the remote patient site.

115. (Previously Presented): The method of claim 122 wherein the collected patient health-related data includes indications of user-experienced symptoms.

116. (Previously Presented): The method of claim 122, wherein the collected patient health-related data includes quantitative measurements.

117. (Previously Presented): The method of claim 122, wherein the collected patient health-related data includes medication data.

118. (Previously Presented): The system of claim 122, wherein the collected patient health-related data includes time data.

119. (Currently Amended): A method of collecting and processing patient health-related data comprising:

(a) a plurality of remote patient sites,

(i) using stored program instructions to generate health-monitoring related information on at least one display;

(ii) facilitating collection of patient health-related data using a data management unit; and

(iii) collecting patient-health related data;

(b) connecting at least one remotely located computing facility including at least one central server for communication with the data management unit at the patient sites;

(c) providing at least one report to at least one health care professional computer, remotely located from and in signal communication with the central server, the report being based on the patient health-related data collected at the remote patient sites,

wherein hardware and software of the central server allows at least one message sent from the health care professional computer to be sent to the remote patient site automatically ~~communicates with the data management units and the at least one health care professional computer~~, and

(d) receiving the report after transmitting an authorization code to the server that identifies an associated healthcare professional as an authorized user.

120. (Currently Amended): A system for collecting and processing patient health-related data comprising:

(a) a plurality of remote patient sites, each site including

(i) means for using stored program instructions to generate health-monitoring related information at least one display;

(ii) means for facilitating collection of patient health-related data using a data management unit;

(iii) means for connecting at least one remotely located computing facility including at least one central server for communication with the data management units at the patient sites; and

(iv) means for providing at least one report to at least one health care professional computer, remotely located from and in signal communication with the central server, the report being based on the patient health-related data collected at the remote patient sites,

~~wherein hardware and software of the central server~~ wherein the report can be viewed at the at least one health care professional computer and at least one message sent from the

health care professional computer to the remote patient sites through the central server
~~automatically communicates with the data management units and the at least one health care~~
~~professional computer.~~

121. (Currently Amended): A networked health-monitoring system, comprising:
- (a) a plurality of remote patient sites, each site including
 - (i) at least one display;
 - (ii) a plurality of buttons, keys or switches
 - (iii) a data management unit configured to facilitate collection of patient health-related data using one or more of the plurality of buttons, keys or switches;
 - (iv) a memory; and
 - (v) stored program instructions for use in generating health-monitoring related information on the display;
 - (b) at least one remotely located computing facility including at least one central server connectable for communication with the data management units at the patient sites; and
 - (c) at least one health care professional computer remotely located from and configured for signal communication with the central server to receive information based on the patient health-related data collected at the remote patient sites and to send educational or motivational messages to the patient,
- wherein hardware and software of the central server automatically communicates with the data management units and the at least one health care professional computer; and
- wherein the system is configured to enable a patient at a remote patient site to respond to health-monitoring related information generated on the display by using a cursor or other indicator positioned at an item on the display.

122. (Currently Amended): A method of collecting and processing patient health-related data, comprising:

- (a) a plurality of remote patient sites,

- (i) using stored program instructions to generate health-monitoring related information on at least one display;
- (ii) facilitating collection of patient health-related data using a data management unit; and
- (iii) collecting patient-health related data;
- (b) connecting at least one remotely located computing facility including at least one central server for communication with the data management unit at the patient sites;
- (c) providing information, based on the patient health-related data collected at the remote patient sites, to at least one health care professional computer remotely located from the central server; ~~and~~
- (d) enabling a patient at a remote patient site to respond to health-monitoring related information generated on the display by using a cursor or other indicator positioned at an item on the display; and
- (e) sending educational or motivational messages to the remote patient sites.

123. (New): A networked health-monitoring system, comprising:

- (a) a plurality of remote patient sites, each site including
 - (i) at least one display;
 - (ii) a data management unit configured to facilitate collection of patient health-related data;
 - (iii) a memory; and
 - (iv) stored program instructions for use in generating health-monitoring related information on the display;
- (b) at least one remotely located computing facility including at least one central server connectable for communication with the data management units at the patient sites; and
- (c) at least one healthcare professional computer remotely located from and configured for signal communication with the central server to receive at least one report based on the patient health-related data collected at the remote patient sites,

wherein hardware and software of the central server

- (i) are configured to receive and store health-related data from a remote patient site, and to generate a report that can be viewed or retrieved by an authorized user from the remotely located healthcare professional computer, and wherein the central server receives and stores messages from the remotely located professional computer and transmits them to the data management unit for presentation to the patient display,

- (ii) can communicate with the data management units to enable program instructions to be provided from the server for reconfiguring programs stored at a remote patient site, and

- (iii) send educational or motivational messages to the patient.

124. (New): A method of collecting and processing patient health-related data, comprising:

- (a) at a plurality of remote patient sites,

- (i) using stored program instructions to generate health-monitoring related information on at least one display;

- (ii) facilitating collection of patient health-related data using a data management unit; and

- (iii) collecting patient-health related data;

- (b) connecting at least one remotely located computing facility including at least one central server for communication with the data management unit at the patient sites, wherein the central server generates at least one report; and

- (c) providing the at least one report to at least one health care professional computer, remotely located from and in signal communication with the central server, the report being based on the patient health-related data collected at the remote patient sites, wherein hardware and software of the central server

- (i) are configured to receive and store health-related data from a remote patient site, and to generate a report that can be viewed or retrieved by an authorized user from the remotely located healthcare professional computer, and wherein the central server receives and stores messages from the remotely located professional computer

and transmits them to the data management unit for presentation to the patient display,

(ii) can communicate with the data management units to enable program instructions to be provided from the server for reconfiguring programs stored at a remote patient site, and

(iii) send educational or motivational messages to the patient.

125. (New) The system of claim 71, wherein the program instructions for reconfiguring programs effect changes in a treatment regimen, effect changes in analyses or reports generated by the by the system, or effect changes in graphical presentations of the system.

126. (New) The system of claim 76, wherein the program instructions for reconfiguring programs effect changes in a treatment regimen, effect changes in analyses or reports generated by the by the system, or effect changes in graphical presentations of the system.

127. (New) The method of claim 114, wherein the program instructions for reconfiguring programs effect changes in a treatment regimen, effect changes in analyses or reports generated by the by the system, or effect changes in graphical presentations of the system.

128. (New) The system of claim 34, wherein the patient health-related data includes raw data.

129. (New) The system of claim 128, wherein raw data includes test results and related data.

130. (New) The system of claim 128, wherein the patient health-related data includes symptomatic information.

131. (New) The system of claim 34, wherein the patient health-related data includes test results and related data.

132. (New) The system of claim 131, wherein the test results and related data are stored in the memory.

133. (New) The system of claim 132, wherein the memory is in the data management unit.

134. (New) The system of claim 76, wherein the additional program instructions are communicated to the remote patient site and the remotely located computing facility.

135. (New) The system of claim 134, wherein the additional program instructions are communicated to the cartridge through the central server.

136. (New) The method of claim 114, wherein the programs provided from the server to a remote patient site can be stored and executed at the remote patient site.

137. (New) The method of claim 136, wherein the programs provided from the server to a remote patient site reconfigure existing programs stored at the remote patient site.

138. (New) The system of claim 76, wherein the reconfiguring program instructions are stored in the cartridge and the cartridge can be returned to the remote patient site.